

Notice of Allowability

Application No.

10/787,139

Examiner

Wayne Cai

Applicant(s)

YAMAKITA, YOSHINOBU

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/24/07.
2. ☒ The allowed claim(s) is/are 1,3-6 and 8.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____



DUC M. NGUYEN
SUPERVISORY PRIMARY EXAMINER
TECHNOLOGY CENTER 2600

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Phillip J. Articola (Reg. No. 38,819) on August 1, 2007.

The application has been amended as follows:

1. **(Currently Amended)** A base station apparatus, comprising:
 - a plurality of connectors used for connection to a plurality of antennas respectively;
 - a plurality of transmission/reception circuits performing transmission/reception using said plurality of antennas; and
 - an antenna switching unit provided between said plurality of connectors and said plurality of transmission/reception circuits and modifying a connection relation between said plurality of connectors and said plurality of transmission/reception circuits, to correct an erroneous relationship between said plurality of antennas and said plurality of transmission/reception circuits, wherein said erroneous relationship occurred during installation work of said base station apparatus,
- wherein
- said plurality of antennas are divided into a plurality of groups, a number of which is equal to a number of said plurality of transmission/reception circuits,

said base station apparatus further comprises a control unit, and
when said antenna switching unit is at an initial state, said control unit obtains
properties of said plurality of antennas via said plurality of connectors, determines to
which of said plurality of groups each of said plurality of antennas should belong, based
on said obtained properties, and causes a state of said antenna switching unit to make
a transition from said initial state to a use state suitable for use.

2. (Canceled).

4. (Currently Amended) The base station apparatus according to claim

[[2]] 1, wherein

said plurality of antennas are connected to a plurality of elements respectively,
the plurality of elements having properties different from each other, corresponding to
arrangement positions,

said control unit includes

a measurement circuit measuring said properties of each of said plurality of
elements via said plurality of connectors, and

a control circuit presuming antenna arrangement based on a measurement result
of said measurement circuit and determining setting for said use state of said antenna
switching unit.

6. (Currently Amended) The base station apparatus according to claim

[[2]] 1, wherein said plurality of transmission/reception circuits comprises a first
transmission/reception circuit and a second transmission/reception circuit,

wherein said antenna switching unit comprises:

a switching portion have N inputs for respectively connecting to said plurality of connectors, said switching portion having N outputs, said plurality of connectors being N in number, N being a positive even integer greater than or equal to four; and

a first connection switch having N internal switches respectively connected at one end to said N outputs of said switching portion, a first subset of said N internal switches being respectively connected at another end to said first transmission/reception circuit and a second subset of said N internal switches being respectively connected at another end to said second transmission/reception circuit, all of said N internal switches being included in either said first subset or said second subset, but not both.

(END OF AMENDMENT)

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wayne Cai whose telephone number is (571) 272-7798. The examiner can normally be reached on Monday - Thursday from 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571) 272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



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